

## *Attachment 51 – Appendix 2.0*

### Critical Systems for the WTP

Any procedure, method, data, or information contained in this document that relates solely to radionuclides or to the radioactive source, byproduct material, and/or special nuclear components of mixed waste (as defined by the Atomic Energy Act of 1954, as amended) is not provided for the purpose of regulating the radiation hazards of such components under the authority of this permit and Chapter 70.105 RCW.

<b>Mnemonic System Locator</b>	<b>System Name</b>
<b>Pretreatment Systems</b>	
PFH	Pretreatment Filter Cave Handling System
PJV	Pulse Jet Ventilation System
FRP	Waste Feed Receipt Process System
FEP	Waste Feed Evaporation Process System
TLP	Treated LAW Evaporation Process System
TCP	Treated LAW Concentrate Storage Process System
HLP	HLW Lag Storage and Feed Blending Process System
UFP	Ultrafiltration Process System
CXP	Cesium Ion Exchange Process System
CNP	Cesium Nitric Acid Recovery Process System
TXP	Technetium Ion Exchange Process System
TEP	Technetium Eluant Recovery Process System
RDP	Spent Resin Collection and Dewatering Process System
PIH	Pretreatment In-Cell Handling System
RWH	Radioactive Solid Waste Handling System
RLD	Radioactive Liquid Waste Disposal System
PVP	Pretreatment Vessel Vent Process System
PWD	Plant Wash and Disposal System
PVV	Process Vessel Vent System
<b>Low-Activity Waste Systems</b>	
RWH	Radioactive Solid Waste Handling System
RLD	Radioactive Liquid Waste Disposal System
LCP	LAW Concentrate Receipt Process System
LFP	LAW Melter Feed Process System
LMP	LAW Melter Process System
LOP	LAW Primary Offgas Process System
LVP	LAW Secondary Offgas/Vessel Vent Process System

LSH	LAW Melter Equipment Support Handling System
LPH	LAW Container Pour Handling System
LFH	LAW Container Finishing Handling System
<b>High-Level Waste Systems</b>	
PJV	Pulse-Jet Ventilation System
HCP	HLW Cave Receipt Process System
HFP	HLW Melter Feed Process System
HMP	HLW Melter Process System
HOP	Melter Offgas Treatment Process System
HSH	HLW Melter Cave Support Handling System
HFH	HLW Filter Cave Handling System
HPH	HLW Canister Pour Handling System
HDH	HLW Canister Decontamination Handling System
HMH	HLW Melter Handling System
RWH	Radioactive Solid Waste Handling System
RLD	Radioactive Liquid Waste Disposal System
<b>Balance of Facilities Systems</b>	
RWH	Radioactive Solid Waste Handling System
RLD	Radioactive Liquid Waste Disposal System